Practice: 645 - Upland Wildlife Habitat Management

Scenario: #1 - Wildlife Structures, ramp

Scenario Description:

This scenario is for the installation of wildlife structures on all land uses where the targeted species has been identified as Rare and Declining. Structures are of low intensity and low complexity, when habitat assessment indicates Inadequate Habitat for Fish or Wildlife-habitat degradation. This scenario includes escape ramps. The typical size range for this scenario is 4 watering facilities retrofitted to include an escape ramp (2 ramps per tank.). This scenario would be applied on any land use where habitats are utilized by species indentified as rare & declining to reduce mortality by drowning in tanks.

Before Situation:

A habitat assessment (using State Office approved habitat assessment method, protocol or tool) has indicated a need for wildlife structures of low intensity with low complexity to bring one or more habitat limiting factors under Inadequate Habitat for Fish or Wildlife, up to planning criteria. Upland habitat limiting factors include quality, quantity and continuity of forage, cover, shelter, space and water avalability. Less than 0.5 structure per acre is needed to bring the deficient habitat limiting factor up to planning criteria. The structures can be installed within a quarter mile of a driveable road and terrain is gentle to moderate.

After Situation:

Installation of wildlife structures bring the identified deficient habitat limiting factors up to planning criteria. The practice is installed using general labor with minimal supervision or skilled labor without supervision with use of common hand tools and small equipment to reduce mortality by drowning in tanks

Scenario Feature Measure: 8

Scenario Unit: Each

Scenario Typical Size: 8

Scenario Cost: $267.00 **Scenario Cost/Unit:** $33.38

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
	1142				1	
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	$18.99	4	$75.96
Materials						
Wildlife Escape Ramp	242	Pool size 15' x 30', for small mammals less than one pound	Each	$23.88	8	$191.04

Practice: 645 - Upland Wildlife Habitat Management

Scenario: #2 - Wildlife Structures, fence

Scenario Description:

This scenario is for the installation of wildlife structures on all land uses where the targeted species has been identified as Rare and Declining. Structures are of low intensity and low complexity, when habitat assessment indicates Inadequate Habitat for Fish or Wildlife-habitat degradation. This scenario include fence markers The typical size range for this scenario is 1 mile of fence. This scenario would be applied on any land use where habitats are utilized by species indentified as rare & declining to reduce mortality by fence collision.

Before Situation:

A habitat assessment (using State Office approved habitat assessment method, protocol or tool) has indicated a need for wildlife structures of low intensity with low complexity to bring one or more habitat limiting factors under Inadequate Habitat for Fish or Wildlife, up to planning criteria. Habitat limiting factors include quality, quantity and continuity of forage, cover, shelter, space and water availability. Less than 1 structure per acre is needed to bring the deficient habitat limiting factor up to planning criteria. The structures can be installed within a quarter mile of a drivable road and terrain is gentle to moderate. (consider all the fence markers as one structure)

After Situation:

Installation of wildlife structures bring the identified deficient habitat limiting factors up to planning criteria. The practice is installed using general labor with minimal supervision or skilled labor without supervision with use of common hand tools and small equipment to reduce mortality by fence collision.

Scenario Feature Measure: 5280

Scenario Unit: Foot

Scenario Typical Size: 5,280

Scenario Cost: $522.00 **Scenario Cost/Unit:** $0.10

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Equipment/Installation						
All terrain vehicles, ATV	965	Includes equipment, power unit and labor costs.	Hour	$30.81	2	$61.62
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	$18.99	2	$37.98
Materials						
Vinyl Undersill Strips	241	Marking material using the "undersill" strips of vinyl siding made by Georgia Pacific. Priced per foot of fence per each wire. Materials only.	Foot	$0.04	10560	$422.40

Practice: 645 - Upland Wildlife Habitat Management

Scenario: #6 - Greater Prairie-Chicken, habitat development

Scenario Description:

Field size is 640 acres. Each acre in the treatment unit will be burned only once in three years. Each acre in treatment unit will be burned once within the three year period. This is a monitoring for GPC habitat conditions not a burning scenario. Habiat conditions will be monitored 4 times a year and vegetative data will be collected using percent ground cover within a 30 foot radious plot located at 10 locations.

Before Situation:

The grasslands of the Flint Hills region in Kansas, and the area east thereof, are commonly used for early intensive stocking. Annual spring burning of these native warm season range units is common for animal performance benefits. This cultural burning practice does not leave adequate nesting habitat for greater prairie-chicken. Typically the entire acreage is burned annually.

After Situation:

To benefit air quality; plant health and vigor; and wildlife habitat, each acre will be burned only once in three year period. Treatment units are range, pasture, or grazed forest. Nesting habitat for greater prairie-chicken will be developed thru limiting burning, habitat development, and 10 monitoring sites.

Scenario Feature Measure: Area planted

Scenario Unit: Acre

Scenario Typical Size: 640

Scenario Cost: $7,041.40 **Scenario Cost/Unit:** $11.00

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Equipment/Installation						
All terrain vehicles, ATV	965	Includes equipment, power unit and labor costs.	Hour	$30.81	100	$3,081.00
Labor						
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	$28.44	60	$1,706.40
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	$18.99	80	$1,519.20
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$36.74	20	$734.80

Practice: 645 - Upland Wildlife Habitat Management

Scenario: #7 - Wildlife Habitat Enhancement

Scenario Description:

Exclusion of livestock on 640 acres of rangeland for the enhancement of habitat for wildlife.

Before Situation:

Wildlife habitat is grazed during the primary nesting and development of wildlife species.

After Situation:

Livestock are excluded for wildlife habitat enhancement for the desired wildlife species. Implementation includes the exclusion of livestock to allow for adequate deferment for sufficient regrowth and developnet of the habitat.

Scenario Feature Measure: Acres Excluded

Scenario Unit: Acre

Scenario Typical Size: 640

Scenario Cost: $9,596.68 **Scenario Cost/Unit:** $14.99

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Foregone Income						
FI, Grazing AUMs	2079	Grazing is the Primary Land Use	AUM	$14.88	640	$9,523.20
Labor						
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$36.74	2	$73.48

Practice: 645 - Upland Wildlife Habitat Management

Scenario: #8 - Forgone Income

Scenario Description:

Setting is any land use with the potential to provide habitat for species of plants and animals identified as Rare and Declining and the habitat potential is not currently being captured. The identified habitat limiting factors can be restored, enhanced or created, with the application of this practice alone, or in combination with other supporting and facilitating practices. Monitoring will be used to determine if the conservation system meets or exceeds the minimum quality criteria for the targeted wildlife. Management will be implemented based on the findings of the habitat assessment and monitoring. Habitat management and monitoring needed to treat the resource concerns requires no training, no qualitative data assessment, no water quality monitoring and is low in complexity and intensity. Examples of prescribed monitoring, include but are not limited to: photo points taken, use documentation by livestock, regeneration/breeding success, completing an annual management records log, documenting wildlife sightings, documenting location and species of invasive plants and condition of vegetative and structural treatments. No decision or treatment associated with this practice or facilitating practices will require income foregone. The planner will specify locations and identify the methods to the customer who will implement the monitoring and management plan. Includes foregone income. Setting is cropland that will be managed to benefit rare and declining habitats through deferral or seeding to permanent vegetation.

Before Situation:

Existing degraded plant conditions and resulting inadequate habitat for fish and wildlife have resulted in low use of the area by target species identified as Rare and Declining and associated species. On dryland fields.

After Situation:

Based on the results of a State-approved upland wildlife habitat assessment process, the application of habitat management efforts and prescribed monitoring have been implemented. With the application of this practice alone, or in combination with other supporting and facilitating practices, the inadequate habitat conditions have been addressed. Monitoring has maximized the benefits of the needed habitat treatment efforts.

Scenario Feature Measure: Acres Managed and Monitored

Scenario Unit: Acre

Scenario Typical Size: 100

Scenario Cost: $14,607.98 **Scenario Cost/Unit:** $146.08

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Foregone Income						
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	$119.47	50	$5,973.50
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	$171.22	50	$8,561.00
Labor						
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$36.74	2	$73.48